## Table 5 Summary of Results for North Area Soil

North Area Soil												
						Marine						
					Soil	Sediment						
	DI/ES Concent	ration Cradiant	2040 BERA Campar	tration Cradiant		Benchmark						
Location		ration Gradient	2010 BERA Concer		(mg/kg DW)	(mg/kg DW)			Maan Diago	Dlt-**		
Location	(mg/kg DW) Location represents high		(mg/kg DW)		(mg/kg Dit)	(IIIg/kg DVV)						
BERA Sample ID: NAS01			Location represents				Polychaete - 2	Polychaete - 21 day, Neanthes arenaceodentata				
	concentrations of	'	concentrations of chromium, copper, and zinc; and mid concentration of		<u>'</u>							
North Soil Area RI/FS Sample ID:SB202	chromium, copper, and zinc. 4,4'-DDT and Aroclor-1254 are below detection limits and not expected to be present.		barium.									
							Survival: No statistically significant difference from reference locations.					
							Growth	n: No statistically s	significant difference	e from reference loc	ations.	
								,	<b>J</b>			
_							†		Maran Oromaharah	Maar Diamaaa	Manu Duni Wi	
I AL DOT	0.0000011	NI A	NIA.	NIA	NIA	0.00440		Lasation	Mean Survival	Mean Biomass	Mean Dry Wt	
1,4'-DDT	0.00282 U 0.013 U	NA NA	NA NA	NA NA	NA 500	0.00119 0.0227	4	Location NAS01	(%) 76	(mg) 0.6648	(mg) * 0.9817	
Aroclor-1254							-					
Barium	476	High	272	Mid	330	NA	4	NAS07 (Ref 1)	92	1.533	1.679	
Chromium	128	High	97.3	High	0.4	81	_	NAS08 (Ref 2)	64	0.688	1.008	
Copper	200	High	221	High	61	34	1	NAS09 (Ref 3)	60	0.5512	0.9815	
Zinc	5,640	High	5,770	High	120	150						
BERA Sample ID: NAS02	Location represer	nts high	Location represents	mid			Polychaete - 2	1 day, Neanthes	arenaceodentata			
•	concentrations of	4,4'-DDT and	concentrations of ba									
North Soil Area RI/FS Sample ID:SB204	Aroclor-1254; mid	concentrations	copper, and zinc; and	d low			Surviva	al: No statistically	significant difference	e from reference lo	cations.	
	of chromium, cop	per, and zinc; and	concentrations of 4,4	l'-DDT and			Crowth	n: No statistically s	ianificant difference	o fram rafaranaa laa	-4:	
		p o., aa. =o, aa.		r DDT and			Growth	i. NO Statistically S	agnincant dinerence	e morn reference loc	ations.	
	low concentration		Aroclor-1254.	r DDT and			Growth	I. NO statistically s	significant difference	e from reference loc	ations.	
	low concentration Sample from 0-2	of barium.		r DDT and			Growth	I. No statistically s	Mean Survival	Mean Biomass	Mean Dry Wt	
	Sample from 0-2	of barium. ft bgs.	Aroclor-1254.	r DD1 and			Growth	Location	Mean Survival	Mean Biomass (mg)	Mean Dry Wt (mg) *	
•	0.395	of barium. ft bgs.	Aroclor-1254.  0.0075 J / 0.015 J	Low	NA	0.00119	Growth	Location NAS02	Mean Survival (%) 88	Mean Biomass (mg) 2.123	Mean Dry Wt (mg) * 2.407	
Aroclor-1254	0.395 6.35	of barium. ft bgs.  High  High	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J	Low Low	500	0.0227	Growth	Location NAS02 NAS07 (Ref 1)	Mean Survival (%)   88   92	Mean Biomass (mg) 2.123 1.533	Mean Dry Wt (mg) * 2.407 1.679	
Aroclor-1254 Barium	0.395 6.35 67.7	of barium. ft bgs.  High High Low	Aroclor-1254.  0.0075 J / 0.015 J  0.093 J / 0.16 J  163 / 261	Low Low Mid	500 330	0.0227 NA	Growth	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2)	Mean Survival (%) 88 92 64	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008	
Aroclor-1254 Barium	0.395 6.35 67.7 22.8	of barium. ft bgs.  High High Low Mid	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J	Low Low	500	0.0227	Growth	Location NAS02 NAS07 (Ref 1)	Mean Survival (%)   88   92	Mean Biomass (mg) 2.123 1.533	Mean Dry Wt (mg) * 2.407 1.679	
Aroclor-1254 Barium Chromium	0.395 6.35 67.7 22.8 92.3	of barium. ft bgs.  High High Low	Aroclor-1254.  0.0075 J / 0.015 J  0.093 J / 0.16 J  163 / 261	Low Low Mid	500 330	0.0227 NA	Growth	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2)	Mean Survival (%) 88 92 64	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008	
Aroclor-1254 Barium Chromium Copper	0.395 6.35 67.7 22.8	of barium. ft bgs.  High High Low Mid	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1	Low Low Mid Mid	500 330 0.4	0.0227 NA 81	Growth	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2)	Mean Survival (%) 88 92 64	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008	
4,4'-DDT Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03	0.395 6.35 67.7 22.8 92.3	of barium. ft bgs.  High High Low Mid Mid Mid	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9	Low Low Mid Mid Mid Mid	500 330 0.4 61	0.0227 NA 81 34		Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)	Mean Survival (%) 88 92 64	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008	
Aroclor-1254 Barium Chromium Copper Zinc	0.395 6.35 67.7 22.8 92.3 134	of barium. ft bgs.  High High Low Mid Mid Mid Mid hts high	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J	Low Low Mid Mid Mid Mid Mid Mid	500 330 0.4 61 120	0.0227 NA 81 34		Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)	Mean Survival (%)  88  92  64  60	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03	0.395 6.35 67.7 22.8 92.3 134 Location represer	High High Low Mid Mid Mid Mid hts high parium; mid	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)	Mean Survival (%) 88 92 64 60	Mean Biomass (mg) 2.123 1.533 0.688 0.5512	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of be concentrations of copper, and zinc;	High High Low Mid Mid Mid Mid ots high barium; mid chromium, and low	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference	Mean Biomass (mg) 2.123 1.533 0.688	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815	
Aroclor-1254 Barium Chromium Copper Zinc	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of become concentration of copper, and zinc; concentration of 4	High High Low Mid Mid Mid Mid hts high barium; mid chromium, and low 4,4'-DDT. Aroclor-	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically	Mean Survival (%) 88 92 64 60  arenaceodentata significant differences	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  te from reference loce from reference loce	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of copper, and zinc; concentration of 41254 is below det	High High Low Mid Mid Mid Mid Mid Ats high barium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically	Mean Survival (%) 88 92 64 60  arenaceodentata significant differences	Mean Biomass (mg) 2.123 1.533 0.688 0.5512	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of become concentration of copper, and zinc; concentration of 4	High High Low Mid Mid Mid Mid Mid Ats high barium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference (%)	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  te from reference loce from reference from refe	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations.  Mean Dry Wt (mg) *	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03 North Soil Area RI/FS Sample ID:SB206	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of copper, and zinc; concentration of 41254 is below det	High High Low Mid Mid Mid Mid Mid Ats high barium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically since No statistic	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  de from reference location	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations.	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03 North Soil Area RI/FS Sample ID:SB206	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of copper, and zinc; concentration of 41254 is below det	High High Low Mid Mid Mid Mid Mid Ats high barium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and	0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer	Low Low Mid Mid Mid Mid Mid mid rium, copper, and	500 330 0.4 61 120	0.0227 NA 81 34	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  Planta day, Neanthes al: No statistically so the statistical so the statisti	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference (%)	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  te from reference loce from reference from refe	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations.  Mean Dry Wt (mg) *	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03 North Soil Area RI/FS Sample ID:SB206	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of become concentration of copper, and zinc; concentration of 41254 is below det not expected to be	High High Low Mid Mid Mid Mid ots high barium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and e present.	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9  296 JH / 307 J Location represents concentrations of ba zinc; and low concer chromium and 4,4-D	Low Low Mid Mid Mid Mid Mid mid rium, copper, and strations of DT.	500 330 0.4 61 120	0.0227 NA 81 34 150	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  Planta day, Neanthes  al: No statistically solution NAS03	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference (%) 96	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  te from reference loce	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations. eations.  Mean Dry Wt (mg) * 2.704	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03  North Soil Area RI/FS Sample ID:SB206	O.395 O.395 O.395 O.395 O.37 O.395 O.37 O.395 O.37 O.395 O.3	High High Low Mid Mid Mid Mid Mid Ats high barium; mid chromium, and low 4,4'-DDT. Aroclor- rection limits and e present. Low	Aroclor-1254.  0.0075 J / 0.015 J 0.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of bazinc; and low concer chromium and 4,4-D  0.0078	Low Low Mid Mid Mid Mid Mid mid rium, copper, and attrations of DT. Low	500 330 0.4 61 120	0.0227 NA 81 34 150	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  21 day, Neanthes al: No statistically so that is to all the control of the control	Mean Survival (%) 88 92 64 60  arenaceodentata significant differencesignificant differe	Mean Biomass (mg)  2.123  1.533  0.688  0.5512  Reference location ref	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations.  Mean Dry Wt (mg) * 2.704 1.679	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03 North Soil Area RI/FS Sample ID:SB206  4,4'-DDT Aroclor-1254 Barium	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of beconcentration of beconcentration of 41254 is below det not expected to be 0.00445 0.011 U 426	High High Low Mid Mid Mid Mid Ots high Darium; mid Chromium, and low 4,4'-DDT. Aroclor- ection limits and e present.  Low NA High	O.0075 J / 0.015 J O.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer chromium and 4,4-D  O.0078 NA 190	Low Low Mid Mid Mid Mid Mid mid rium, copper, and strations of DT.  Low NA Mid Mid	500 330 0.4 61 120 NA 500 330	0.0227 NA 81 34 150 0.00119 0.0227 NA	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  Part day, Neanthes  Part of the second state of	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference (%) 96 92 64	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  Definition of the first section of the first sect	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations. eations.  Mean Dry Wt (mg) * 2.704 1.679 1.008	
Aroclor-1254 Barium Chromium Copper Zinc BERA Sample ID: NAS03  North Soil Area RI/FS Sample ID:SB206	0.395 6.35 67.7 22.8 92.3 134 Location represer concentration of to concentration of copper, and zinc; concentration of 41254 is below det not expected to be 0.00445 0.0011 U	High High Low Mid Mid Mid Mid Mid onts high carium; mid chromium, and low 4,4'-DDT. Aroclor- ection limits and e present.  Low NA	O.0075 J / 0.015 J O.093 J / 0.16 J 163 / 261 27.2 / 23.1 26 / 24.9 296 JH / 307 J Location represents concentrations of ba zinc; and low concer chromium and 4,4-D  O.0078 NA	Low Low Mid Mid Mid Mid Mid mid rium, copper, and attrations of DT.  Low NA	500 330 0.4 61 120 NA 500	0.0227 NA 81 34 150 0.00119 0.0227	Polychaete - 2	Location NAS02 NAS07 (Ref 1) NAS08 (Ref 2) NAS09 (Ref 3)  Part day, Neanthes  Part of the second state of	Mean Survival (%) 88 92 64 60  arenaceodentata significant difference significant difference (%) 96 92 64	Mean Biomass (mg) 2.123 1.533 0.688 0.5512  Definition of the first section of the first sect	Mean Dry Wt (mg) * 2.407 1.679 1.008 0.9815  cations. eations.  Mean Dry Wt (mg) * 2.704 1.679 1.008	

## Table 5 Summary of Results for North Area Soil

North Area Soil												
Location	RI/FS Concent	ration Gradient g DW)	2010 BERA Concentration Gradient (mg/kg DW)		Soil Benchmark (mg/kg DW)	Marine Sediment Benchmark (mg/kg DW)						
BERA Sample ID: NAS04  North Soil Area RI/FS Sample ID:NE4SB11	Location represent concentrations of and zinc; and low	ts mid barium, copper, concentrations of	Location represents concentration of bar concentration of zind concentrations of ch	high ium; mid c; and low			Surviva	aete - 21 day, Neanthes arenaceodentata  Survival: No statistically significant difference from reference locations.  Growth: No statistically significant difference from reference locations.				
ID.INE+ODTT	DDT is below dete	chromium and Aroclor-1254. 4,4'-DDT is below detection limits and not expected to be present.		and Aroclor-1254.			Crown	Location	Mean Survival (%)	Mean Biomass (mg)	Mean Dry Wt (mg) *	
								NAS04	84	4.52	5.423	
4,4'-DDT	0.000148 U	NA	NA	NA	NA	0.00119	1	NAS07 (Ref 1)	92	1.533	1.679	
Aroclor-1254	0.0122	Low	0.01	Low	500	0.0227	4	NAS08 (Ref 2)	64	0.688	1.008	
Barium	153	Mid	502	High	330	NA	1	NAS09 (Ref 3)	60	0.5512	0.9815	
Chromium	11.5	Low	7.86	Low	0.4	81						
Copper	27.4	Mid	10.8	Low	61	34	1					
Zinc	107 Location represen	Mid	321 J Location represents	Mid	120	150						
North Soil Area RI/FS Sample ID:NE3SB09	concentrations of barium, chromium, copper, and zinc; and low concentration of 4,4'-DDT. Aroclor-1254 is below detection limit and not expected to be present.		concentrations of ba copper, zinc; and lov 4,4'-DDT.				Survival: No statistically significant difference from reference locations.  Growth: No statistically significant difference from reference locations.  Mean Survival Mean Biomass Mean Dry Wt Location (%) (mg) (mg) *					
	ľ							Location NAS05	76	(mg) 1.998	(mg) * 2.693	
4,4'-DDT	0.0108	Low	0.008	Low	NA	0.00119		NAS07 (Ref 1)	92	1.533	1.679	
Aroclor-1254	0.00801 U	NA	NA	NA	500	0.0227	1	NAS08 (Ref 2)	64	0.688	1.008	
Barium	145	Mid	198	Mid	330	NA	1	NAS09 (Ref 3)	60	0.5512	0.9815	
Chromium	30	Mid	30.9	Mid	0.4	81	1		•			
Copper	27.8	Mid	27.4	Mid	61	34	1					
Zinc	288	Mid	309 J	Mid	120	150	]					
BERA Sample ID: NAS06  North Soil Area RI/FS Sample ID:ND1SB01	Location represent concentrations of chromium, copper Aroclor-1254 and below detection linexpected to be presented.	barium, r, and zinc. 4,4'-DDT are mits and not	Location represents concentrations of ba copper, and zinc.				Surviva	al: No statistically		ce from reference lo e from reference loo Mean Biomass (mg)		
								NAS06	88	1.648	1.894	
4,4'-DDT	0.00016 U	NA	NA	NA	NA	0.00119	]	NAS07 (Ref 1)	92	1.533	1.679	
Aroclor-1254	0.00415 U	NA	NA	NA	500	0.0227	1	NAS08 (Ref 2)	64	0.688	1.008	
Barium	46.1	Low	52.2	Low	330	NA	1	NAS09 (Ref 3)	60	0.5512	0.9815	
Chromium	11.7	Low	13.4	Low	0.4	81	1					
Copper	8.04	Low	10.8	Low	61	34	1					
Zinc	32.6	Low	62.3 J	Low	120	150						

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Table 5 **Summary of Results for North Area Soil** 

North Area Soil						Marina					
Location	RI/FS Concentration Gradient (mg/kg DW)  Represents background with low chromium and high zinc concentrations.		2010 BERA Concentration Gradient (mg/kg DW)  Represents background with low chromium and copper concentrations; and high barium and zinc concentrations.		(mg/kg DW)	Marine Sediment Benchmark (mg/kg DW)					
BERA Sample ID: NAS07  North area Background Soil Location  Background Soil BSS-01											
	NA	NA							Mean Survival	Mean Biomass	Mean Dry Wt
Barium			340	High	330	NA		Location	(%)	(mg)	(mg) *
Chromium	17.6	Low	12.4	Low	0.4	81		NAS07 (Ref 1)	92	1.533	1.679
Copper	NA	NA	10.1	Low	61	34					
Zinc	969	High	501	High	120	150					
BERA Sample ID: NAS08  North area Background Soil Location  Background Soil BSS-02	Represents background with low chromium and zinc concentrations; and mid barium concentrations.		Represents background with low chromium and copper concentrations; and mid barium and zinc concentrations.				r oryonaete 1	21 day, Neanthes			
Barium	361	Mid	182	Mid	330	NA		Location	Mean Survival (%)	Mean Biomass (mg)	Mean Dry Wt (mg) *
Chromium	17.6	Low	13.6	Low	0.4	81	1	NAS08 (Ref 2)	64	0.688	1.008
	NA	NA	12.6	Low							1.000
Copper	1 1/ 1	INA	12.0	Low	61	34	1	10/1000 (110/ 2)		0.000	1.008
Copper Zinc	81.2	Low	182	Mid	61 120	34 150		10.1000 (1.01.2)			1.008
	81.2  Represents backg	Low ground with low		Mid und with low nd zinc		150	Polychaete - 2	21 day, Neanthes	arenaceodentata		1.008
Zinc  BERA Sample ID: NAS09  North area Background Soil Location  Background Soil BSS-03	Represents backg chromium and zin	Low ground with low	Represents background chromium, copper, a concentrations; and concentrations.	Mid und with low nd zinc mid barium	120	150	Polychaete - 2	21 day, Neanthes	Mean Survival	Mean Biomass	Mean Dry Wt
Zinc  BERA Sample ID: NAS09  North area Background Soil Location  Background Soil BSS-03  Barium	Represents backg chromium and zin	Low ground with low no concentrations.	Represents background chromium, copper, a concentrations; and concentrations.	Mid und with low nd zinc mid barium  Mid	330	150 NA	Polychaete - 2	21 day, Neanthes  Location	Mean Survival (%)	Mean Biomass (mg)	Mean Dry Wt (mg) *
Zinc  BERA Sample ID: NAS09  North area Background Soil Location	Represents backg chromium and zin	ground with low no concentrations.	Represents background chromium, copper, a concentrations; and concentrations.	Mid und with low nd zinc mid barium	120	150	Polychaete - 2	21 day, Neanthes	Mean Survival	Mean Biomass	Mean Dry Wt

Notes:

bgs - below grounnd surface

DW - dry weight

H - bias in results likely to be high

J - estimated value

NA - not analyzed, available, or applicable

U - not detected

High Mid = Mid concentration within the gradient Low

= High concentration within the gradient

= Low concentration within the gradient

\* The primary growth endpoint Dry Wt is the dry weight of surviving organisms divided by the number of surviving organisms. Biomass (the dry weight of surviving organisms divided by initial number of organisms) is not routinely applied to sediment testing (EPA, 2000).

\*\*Appendix B shows all of the individual replicates for each test chamber. This table presents the mean bioassay results for each sample based on five replicates.

Bolding indicates that the detected concentration

is greater than an ecological screening benchmark (Table 6 Final BERA WP & SAP; URS, 2010a)

Results for duplicate samples are separated by a "/".